AMERICAN UNIVERSITY of Beirut OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

LIBRARY
JAN 28 1960
WEATHER BUREAU

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

April 1959

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APRIL 1959

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20·30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	64.0	62.6	62.3	63.0	20.0	13.9	17.1	18.8	16.4	17.4
2	60.2	57.7	57.1	58.3	23.1	18.5	19.7	22.5	18.7	20.3
3	54.3	58.0	59.6	57.3	27.0	16.2	24.7	19.6	17.4	20.6
4	58.9	59.1	59.8	59.3	20.0	13.3	17.1	16.6	15.7	16.5
5	58.2	57.5	56 8	57.5	20.1	10.4	18.0	18.0	13.5	16.5
6	59.3	61.0	63.4	61.2	19.9	12.7	15.5	19.3	14.5	16.4
7	66.5	66.5	66.7	66.6	20.5	13.3	17.7	19.9	15.0	17.5
8	66.9	66.1	65.4	66.1	20.9	13.9	17.4	19.8	15.6	17.6
9	64.1	61.5	59.9	61.8	21.4	17.5	18.6	20.0	17.9	18.8
10	58.9	56.7	56.8	57.5	27.8	18.0	22.4	27 2	19.5	23.0
11	56.9	57.1	56.1	56.7	23.9	17.0	23.1	22.3	19.0	21.5
12	57.8	57.7	58.5	58.0	21.6	15.0	19.7	19.1	17.2	18.7
13	59.1	58.7	58.9	58.9	20.9	14.6	18.5	20.2	15.9	18.2
14	58.0	58.1	58.6	58.2	17.9	12.5	15.7	14.2	15.7	15.2
15	62.0	63.6	64.9	63.5	20.1	13.7	15.0	19.7	15.5	16.7
16	63.5	61.4	61.9	62.3	21.6	15.5	19.4	20.0	16.9	18.8
17	61.5	61.0	61.5	61.3	21.9	15.0	18.6	20.5	16.5	18.5
18	62.6	61.5	60.9	61.7	21.5	15.2	18.8	20.5	17.2	18.8
19	58.7	57.2	56.8	57.6	25.7	19.2	21.9	24.0	21.1	22.3
20	57.6	57.9	59.0	58.2	27.3	15.5	23.1	23.0	17.9	21.3
21	61.0	60.4	60.3	60.6	22.3	17.2	19.1	21.4	17.5	19.3
22	57.2	54.0	53.2	54.8	28.5	19.5	20.3	24 2	27.4	24.0
23	55.4	56.0	56.7	56.0	24.2	16.0	20.5	23.3	18.1	20.6
24	59.0	60.1	61.8	60.3	23.0	15.1	20.3	22.3	17.0	19.9
25	62.8	62.7	63.4	63.0	23.0	15.5	19.1	20.9	17.0	19.0
26	63.1	62.0	60.0	61.7	22.9	17.0	19.9	21.8	17.9	19.9
27	55.5	51.2	50.5	52.4	27.5	19.3	22.0	27.0	22.5	23.8
28	55.4	57.3	58.9	57.2	24.3	16.4	21.0	22.9	18.1	20.7
29	61.0	61.5	61.7	61.4	23.0	16.0	19.9	21 4	17.5	19.6
30	64.6	64.5	65.2	64.8	23 0	15.0	19.4	21.2	17.0	19.2
31										
	60.13	59.69	59.89	59.91	22.83	15.60	19.45	21.05	17.57	19.35

Barometer, range for month 766.9mm. — 750.5 mm.
„ 71-yr. average for month 760.03mm.
Thermometer, range for month 28.5°C — 10.4°C
„ 82-yr. average for month 18.5°C
Rain total for month 36.10 mm.
„ 82-yr average for month 51.1 mm.
„ Total, Sept. 1st. to end of month 625.60 mm.
„ 82-yr average. Sept. 1st. to end of month 871.50 mm.

APRIL 1959

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.4	15.9	16.5	15.6	74	74	89	79	9.8	179	
2	14.6	18.0	15.1	15.9	64	66	70	67	9.5	111	
3	12.2	18.9	17.0	16.0	39	83	85	69	1.4	182	
4	15.4	15.6	13.1	14.7	80	83	74	79	3.8	209	0.70
5	13.1	13.3	13.6	13.3	64	65	88	72	9.4	161	1 68
6	10.6	11.2	10.2	10.7	60	50	61	57	9.8	82	15.70
7	10.7	13.0	13.0	12.2	53	56	76	62	9.6	119	
8	12.9	13.9	14.1	13.6	64	60	80	68	9.1	146	
9	14.5	17.4	17.6	16.5	68	75	86	76	9.8	195	
10	16.3	11.4	15.6	14.4	60	32	68	53	9.6	89	
11	14.7	18.5	16.0	16.4	52	69	73	65	5.2	254	0.10
12	17.2	17.4	14.2	16.3	76	79	72	76	5.0	161	
13	13.6	12.5	12.9	13.0	64	53	71	63	7.2	121	
14	14.4	14.7	11.5	13.5	81	91	65	79	0.5	53	3.35
15	13.0	14.6	13.8	13.8	76	64	79	73	7.0	261	14 57
16	14.7	16.0	15.8	15.5	65	69	83	72	7.3	169	
17	16.4	17.6	15.7	16.6	77	73	84	78	11.4	217	
18	16.2	16.6	16.2	16.3	76	70	83	76	12.2	154	
19	16.1	15.4	12.1	14.5	62	52	49	54	10.7	66	
20	15.5	20.1	17.6	17.7	55	71	86	71	10.3	116	
21	16.3	17.9	17.1	17.1	74	70	86	77	11.4	92	
22	17.3	21.3	12.1	16.9	73	71	32	59	6.4	185	
23	19.8	20.5	15.4	18.6	81	71	75	76	7.9	251	
24	18.2	17.3	13.6	16.4	76	64	70	70	11.6	177	
25	14.3	15.3	14.6	14.7	65	62	75	67	11.6	85	
26	16.5	17.1	16.8	16.8	71	66	82	73	10.9	206	
27	19.2	14.3	16.2	16.6	72	40	60	57	11.2	153	
28	17.2	19.5	17.8	18.2	70	70	86	75	11.3	423	
29	16.5	17.5	15.0	16.3	71	69	75	72	2 6	188	
30	13 5	12.9	13.6	13.3	59	51	70	60	10.6	109	
31											
	15.18	16.19	14.79	15.38	67.4	66.3	74.4	69.2	8.47	163.80	1.20

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

APRIL 1959

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	2nw	3ne	3ne	light	
2	0	0	3st	1.0	2ne	2ne	1n	,,	D.a.m
3	10st	10st	10st-ni	10.0	2sw	3sw	2sw	,,	Tr.H.p.m.Hot wind
4	10st	9st-ni	3cu	7.3	3sw	2w	2w	,,	
5	6st-ni	5st-cu	10st-ni	7.0	2sw	1w	1w	sligh	
6	2cu	0	1cu	1.0	2sw	2sw	2s	light	T.a.m
7	0	0	0	0.0	2sw	2sw	1nw	,,	
8	6ci	10ci	1ci	5.7	2n	2ne	1ne	,,	D.a.m
9	8ci	0	0	2.7	2ne	3ne	1n	,,	
10	0	0	0	0.0	2ne	2ne	1n	,,	
11	10cu-ci	1st-cu	0	3.7	2sw	1n	1n	light	
12	0	10st	7st	5.7	2w	3sw	3sw	,,	H.a.m
13	8ci-cu	6ci-st	3ci-cu	5.7	2sw	2sw	1ne	,,	
14	10st	10st	4st-cu	8.0	2sw	2s	3sw	,,	
15	10cu-ni	8ci-st	0	6.0	4sw	4sw	2sw	slight	
16	7ci-st	10ci-st	6cu-st	7.7	2ne	4ne	3ne	light	
17	9ci-st	1ci	0	3.3	2ne	2ne	2ne	,,	D. p.m
18	0	2ci	0	0.7	2ne	1ne	2n	,,	D.a.m
19	0	6ci	0	2.0	1ne	1e	2e	calm	H.a.m
20	0	0	0	0.0	2sw	3w	2sw	light	D.p.m
21	4cu-st	0	1cu	1.7	2sw	2nw	1ne	light	D.a.m
22	5ci	10ci-st	10st	8.3	4ne	1e	1s	,,	H.p.m. Hot wind
23	9cu-st	5cu-ci	1cu	5.0	3sw	3w	1w	,,	
24	0	4cu-ci	1ci	1.7	2sw	3sw	2sw	,,	
25	1cu	2cu	7cu	3.3	2sw	1nw	1nw	,,	
26	0	0	0	0.0	1n	2ne	3ne	slight	
27	0	0	0	0.0	1ne	3ne	4sw	light	H.p.m
28	0	0	0	0.0	5sw	4sw	3sw	slight	H.p m
29	10ci-st	10ci-st	9ci-st	9.7	3sw	3sw	2sw	light	
30	2cu	9cu-st	6ci-st	5.0	2sw	2sw	2n	,,	
31									
	mean			3.74					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	9	0	0	0	17	1	1	0	30
14:30	1	10	2	0	1	10	4	2	0	30
20:30	6	7	1	0	2	9	3	2	0	30
Total	9	26	3	0	3	36	8	5	0	90

Number of days with rain 6, fog 0, thunderstorms 1, gale. 0
71 yr. av. number of days with rain during month 6.23
Time of reading minus 2 hours equals G.C.T